

Wilmington Aug 11<sup>th</sup> 1879

My Dear Dr. Gray

The parcel came to hand and a rich one it was for me; giving me many new things and a good lot for Cheeseman of New Zealand. Many thanks for your kindness! I shall put a good many of those, of which I already have specimens into my Herb, for the sake of the names.

I have been so much bothered with the *Eupatoria* and have so little chance of seeing authentic specimens, that I can hardly say what "holds" and what does not until I know what to hold on to. *E. scabridum* Ell. I have not positively known but supposed that a specimen that I have from Mellichamp was that plant. It has the long acuminate involucre scales of *E. album*, <sup>but not so acuminate</sup> clear resinous dotted (not black)

involute & flowered much more than in  
*E. album*. Leaves small, I have only the upper  
ones, ovate, closely and deeply but rather ob-  
tusely serrate, all the upper ones alternate.  
The plant rather scabrous than pubescent  
and thus differing from *E. album*. But I  
have not distinguished two forms of our  
*E. album*, (N. J. Vell.) except the differ-  
ences noted in Torr. May in respect to the black  
dots on one plant and not on the other  
and perhaps a slight difference in the pubes-  
cence; but these hold on all the speci-  
mens that I have seen.

While in this genus I want again  
to say that I have never found what  
is universally considered by our botanists  
as *E. pubescens*, Muhl. & the same than  
5 flowered, as in *E. rotundifolium* L., and  
if we really have it then are all gra-  
duations between the two. Muhlberg's  
own specimens are five flowered as I know  
from an examination. DeCandolle notes

the "5" flowered Boston specimens but joins  
the genuine plant as "5 flowered". So far as  
our specimens about here are concerned I  
cannot help thinking that all really are  
one polymorphic leaved species.

I should have said that the copy  
of the Bluffton plant I have spoken of  
is full and large and different in appear-  
ance from both *E. album* and *E. ten-  
erifolium*.

Leggett has written to Redford for  
an acc of the N. C. trip and he  
will get up an article for him.

Drum is coming to see me in a few  
days. His specimens run *Holidaya coccinea*  
and *S. Curtisii* pretty closely together.

When upon *Leatis* do not forget  
*Curtisii* L. *oxyplepis*, ined.

Of course I shall always be glad  
to send on anything that I have that  
you may need.

Very sincerely  
J. M. Hardy